

INTEGRATED INFORMATION NETWORK
RFI TD-97-01

TABLE OF CONTENTS

SECTION 1 - INTRODUCTION

1.1. Intent and Purpose	1-1
1.2. Official Contacts	1-2
1.2.1. Departmental Official	1-2
1.2.2. Department Contact	1-3
1.2.3. Alternate Department Contact	1-3
1.3. Key Action Dates.....	1-3

SECTION 2 - RULES FOR CONDUCTING THE RFI PROCEDURE

2.1. Introduction.....	2-1
2.2. Development and Submission of the Response	2-1
2.2.1 Understanding the State's Needs	2-1
2.2.2 Electronic Copy of the RFI.....	2-1
2.2.3 Questions Regarding the RFI.....	2-1
2.2.4 Interested Party's Intention to Submit a Response	2-1
2.2.5 Preparation and Submission of Responses	2-2
2.2.5.1 Completion of Responses	2-2
2.2.5.2 Signature on Response.....	2-2
2.2.5.3 Respondent's Costs.....	2-3
2.2.5.4 Delivery of Responses	2-3
2.3. Other Information	2-3
2.3.1 Confidentiality	2-3
2.3.2 Protests.....	2-3
2.3.3 Disposition of Proposals	2-3

SECTION 3 - CURRENT ENVIRONMENT

3.1. State Telecommunications Networks and Service.....	3-1
3.1.1. Overview of CALNET Suite of Services.....	3-2
3.1.1.1. Long Distance	3-2
3.1.1.2. Long Distance Access.....	3-3
3.1.1.3. Local Consolidated Services.....	3-3
3.1.1.4. Local Fiber Service	3-4
3.1.1.5. Building Wiring Service	3-4
3.1.1.6. Information Services.....	3-5
3.1.1.7. Voice Mail Services.....	3-5
3.1.1.8. Local Services	3-6
3.1.1.9. Data Services	3-6
3.1.1.10. Teleconferencing - Audio and Video.....	3-7
3.1.1.11. Payphone Services	3-7
3.1.2. Overview of DGS/TD Billed Services.....	3-7

INTEGRATED INFORMATION NETWORK

RFI TD-97-01

3.1.2.1. Existing Network Components and Interfaces	3-10
3.1.3. Overview of State Data Networks	3-17
3.1.4. Costs of CALNET Suite of Services	3-35
3.1.5. System and Usage Volumes.....	3-37
3.1.5.1. Contracted Services	3-37
3.1.5.2. DGS/TD Provided Services	3-40
3.1.6. End-User Support	3-46
3.1.6.1. Contractor Provided Services	3-46
3.1.6.2. DGS/TD Provided Services	3-48
3.2. State Telecommunications Network Management & Control Systems	3-51
3.2.1. Overview of Current Network Management Systems	3-51
3.2.2. Network Status Capability	3-52
3.2.3. Network Data Processing Capability	3-52
3.2.3.1. Billing	3-52
3.2.3.2. Fraud and Abuse Programs.....	3-54
3.2.4. Network Control Capability and Network Control Centers	3-54

SECTION 4 - PROPOSED ENVIRONMENT

4.1. California Integrated Information Network (CIIN) Vision	4-1
4.2. Overview of Proposed Environment.....	4-1
4.2.1. Short-term	4-1
4.2.2. Long-Term	4-2
4.3. Required Network Services	4-3
4.3.1. Voice Network Services	4-3
4.3.1.1. Long Distance Calling	4-3
4.3.1.2. Long Distance Access.....	4-4
4.3.1.3. Advanced Intelligent Network Services	4-5
4.3.1.4. Toll Free Services	4-5
4.3.1.5. 900/700 Services	4-5
4.3.1.6. Calling Card	4-5
4.3.1.7. Teleconferencing	4-6
4.3.1.8. Internet Access.....	4-7
4.3.2. Line Side Services	4-7
4.3.2.1. Voice Processing Services	4-7
4.3.2.2. Call Center Services.....	4-8
4.3.3. Data Services	4-10
4.3.3.1. Overview.....	4-10
4.3.3.2. Data Services Survey Results	4-11
4.3.4. Other Services.....	4-14
4.3.4.1. Building Wiring	4-14
4.3.4.2. Fiber Facilities	4-15
4.3.4.3. Outside Plant.....	4-15
4.3.4.4. Information Services.....	4-15

INTEGRATED INFORMATION NETWORK

RFI TD-97-01

4.3.4.5. Public Access Telephone Service (Pay Telephone)	4-16
4.4. Assumption of CALNET Assets and Debt	4-16
4.4.1. Phase 1	4-16
4.4.2. Final Phase	4-16
4.4.3. SCIP Moves	4-17
4.4.4. Lease Back of State Property	4-17
4.5. End User Terminal Equipment	4-17
4.6. End User Support	4-18
4.6.1. General	4-18
4.6.1.1. DGS/TD Activities	4-18
4.6.1.2. Contractor Activities	4-19
4.6.2. Planning	4-20
4.6.2.1. DGS/TD Activities	4-20
4.6.2.2. Contractor Activities	4-20
4.6.3. Design	4-20
4.6.3.1. DGS/TD Activities	4-20
4.6.3.2. Contractor Activities	4-20
4.6.4. Provisioning and Implementation	4-21
4.6.4.1. DGS/TD Activities	4-21
4.6.4.2. Contractor Activities	4-21
4.7. Marketing Services	4-23
4.8. Training	4-23
4.8.1. User Training	4-23
4.8.2. General Telecommunications Training	4-24
4.9. Network Operation, Maintenance and Management	4-24
4.9.1. General	4-24
4.9.2. Client Representation	4-24
4.9.3. Contractor Oversight	4-24
4.9.4. Information Access	4-24
4.10. Invoicing Services	4-25
4.11. State Management and Oversight	4-26
4.11.1. Contractor Provisioning Performance	4-26
4.11.1.1. Voice Services	4-26
4.11.1.2. Site Work (MAC)	4-26
4.11.1.3. Voice Service Project Work	4-27
4.11.1.4. Private Line Service	4-27
4.11.1.5. Private Line Service Project Work	4-27
4.11.1.6. Performance Deficiencies	4-27
4.11.2. Contractor Fault Management Performance	4-28
4.11.3. Contracted Service Performance	4-29
4.11.3.1. Voice Services	4-29
4.11.3.2. Private Line Services	4-30
4.11.4. Performance Deficiencies	4-30

INTEGRATED INFORMATION NETWORK

RFI TD-97-01

4.11.5. Contract Service Availability.....	4-30
4.11.6. Client Advocacy	4-30
4.11.6.1. Service Evaluations.....	4-31
4.11.6.2. Client Problem Escalation	4-31
4.11.6.3. Client Service Information.....	4-31
4.11.7. Fiscal Management	4-32
4.11.8. Management Tools for Access.....	4-32
4.11.9. Cost Reduction Plan.....	4-33
4.12. Implementation Strategy	4-33

SECTION 5 - SPECIFIC ISSUES

5.1. The Vision.....	5-1
5.1.1. Scope of the Vision.....	5-1
5.1.2. Evaluation and Selection Criteria	5-2
5.1.3. General Issues	5-3
5.1.4. Public/Private Partnerships	5-3
5.1.5. SCIP Moves	5-4
5.1.5.1. Timing Concerns.....	5-4
5.1.5.2. Use of State Facilities	5-5
5.1.6. Assumption of CALNET Assets and Debt	5-5
5.1.7. Market Timing	5-5
5.1.7.1. Local Services.....	5-6
5.1.7.2. Consolidated Services.....	5-7
5.1.7.3. IntraLATA Long Distance Services	5-7
5.1.8. Contract Term	5-7
5.2. Required Network Services	5-7
5.2.1. Voice Network Services	5-8
5.2.1.1. Disaster Readiness	5-8
5.2.1.2. Privacy	5-8
5.2.1.3. Long Distance Calling	5-9
5.2.1.4. Long Distance Access.....	5-9
5.2.1.5. Toll Free Services	5-10
5.2.1.6. 900/700 Services	5-10
5.2.1.7. Calling Card	5-10
5.2.1.8. Teleconferencing	5-11
5.2.1.9. Internet Access.....	5-12
5.2.1.10. Advanced Intelligent Network	5-12
5.2.2. Line Side Services	5-12
5.2.2.1. Measured Business Line Service	5-13
5.2.2.2. Consolidated Services.....	5-13
5.2.2.3. Additional Line Side Features	5-14
5.2.2.4. Automated User Controlled Moves and Change	5-14
5.2.2.5. Voice Processing Services	5-14

INTEGRATED INFORMATION NETWORK

RFI TD-97-01

5.2.2.6. Call Centers.....	5-16
5.2.3. Data Services	5-17
5.2.3.1. General.....	5-17
5.2.3.2. Application Types Supported	5-17
5.2.3.3. Protocols Supported.....	5-18
5.2.3.4. Network Management.....	5-18
5.2.3.5. Security	5-18
5.2.3.6. Disaster Recovery and Emergency Operations	5-19
5.2.3.7. Fault Recovery	5-19
5.2.3.8. Billing Systems	5-19
5.2.3.9. Customer Service.....	5-20
5.2.3.10. Public Access	5-20
5.2.3.11. Additional Services.....	5-20
5.2.4. Other Services.....	5-21
5.2.4.1. Building Wiring	5-21
5.2.4.2. Fiber Facilities	5-21
5.2.4.3. Information Services.....	5-22
5.3. End User Terminal Equipment	5-23
5.4. End User Support.....	5-23
5.4.1. General.....	5-23
5.4.2. Staffing.....	5-23
5.4.3. Services.....	5-24
5.4.4. Planning	5-24
5.4.5. Design	5-24
5.4.6. Provisioning and Implementation.....	5-24
5.4.6.1. Timeframes	5-24
5.4.6.2. Electronic Access for Users.....	5-24
5.4.6.3. Status.....	5-25
5.4.6.4. Contract Performance	5-25
5.5. Marketing.....	5-25
5.5.1. General.....	5-25
5.6. Training.....	5-26
5.6.1. User Training	5-26
5.6.2. General Telecommunications Training	5-26
5.6.3. DGS/TD Staff Training.....	5-26
5.7. Network Operation, Maintenance and Management	5-27
5.7.1. Client Representation.....	5-27
5.7.2. Information Access	5-27
5.8. Invoicing Services.....	5-27
5.8.1. General.....	5-27
5.8.2. Billing Increment	5-28
5.8.3. Answer Supervision	5-28
5.8.4. Late Payment Charges	5-28

INTEGRATED INFORMATION NETWORK

RFI TD-97-01

5.8.5. Minimum Monthly Service Charges.....	5-28
5.8.6. Administrative Fee Collection	5-28
5.8.7. Contractor Access	5-29
5.8.8. Fraud Detection.....	5-29
5.8.9. Audit Information	5-29
5.9. State Management and Oversight	5-29
5.9.1. Contractor Provisioning Performance	5-29
5.9.2. Contractor Fault Management Performance.....	5-30
5.9.3. Contracted Service Performance	5-30
5.9.4. Client Advocacy	5-31
5.9.4.1. Service Trouble View	5-31
5.9.4.2. Contractor Access	5-31
5.9.4.3. Client Problem Escalation	5-32
5.9.5. Fiscal Management	5-32
5.9.5.1. Summary Reports.....	5-32
5.9.5.2. Agency Use Reports	5-32
5.9.6. Management Tools for Access.....	5-32
5.9.7. Cost Reduction Plan.....	5-33
5.10. Contract Compliance	5-33
5.11. Implementation Strategy	5-33
5.12. State Model Contract	5-34

SECTION 6 - INTERESTED PARTY RESPONSE

6.1. Introduction.....	6-1
6.2. Response Content	6-1
6.2.1. Cover Letter	6-1
6.2.2. Response to Requests for Information of Section 5	6-2
6.2.2.1. Response Format.....	6-2
6.2.2.2. Additional Material and Information Concerning Section 5	6-2
6.2.3. Additional Material, Information, or Comments	6-2
6.3. Copies of Interested party Response.....	6-2